



CONSTRUCTION EQUIPMENT

11810 VOLVO L120H 633530 - DIESEL ENGINE



Sample No: VCP439486
Oil Type: MOBIL 15W40
Job No: 11810



SAMPLE INFORMATION

Sample Number	VCP439486	VCP433780	---	---
Sample Date	31 Jan 2024	07 Dec 2023	---	---
Machine Hours	505	270	---	---
Oil Hours	0	270	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298



OIL CONDITION

Visc @ 100°C	cSt	12.8	▲ 12.1	---	---
Base Number (BN)	mg KOH/g	7.6	■ 10.4	---	---
Oxidation (PA)	%	41	70	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	■ 0.1	---	---
Nitration (PA)	%	50	48	---	---
Sulfation (PA)	%	45	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.3	---	---
Silicon	ppm	5	■ 13	---	---
Sodium	ppm	0	■ 3	---	---
Potassium	ppm	2	■ 3	---	---



WEAR METALS

Iron	ppm	8	■ 15	---	---
Copper	ppm	5	■ 11	---	---
Lead	ppm	2	■ 2	---	---
Tin	ppm	2	■ 2	---	---
Aluminum	ppm	6	▲ 47	---	---
Chromium	ppm	1	■ 3	---	---
Molybdenum	ppm	13	■ 35	---	---
Nickel	ppm	1	■ 0	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	<1	■ <1	---	---
Manganese	ppm	2	■ 2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	2053	■ 1389	---	---
Magnesium	ppm	168	■ 576	---	---
Zinc	ppm	1100	■ 1068	---	---
Phosphorus	ppm	906	■ 856	---	---
Barium	ppm	3	■ 27	---	---
Boron	ppm	19	■ 61	---	---

Depot: GOUAVO
Unique No: 10869634
Signed: Wes Davis
Report Date: 07 Feb 2024



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GRAPHS

